

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan

Name _____ Date _____

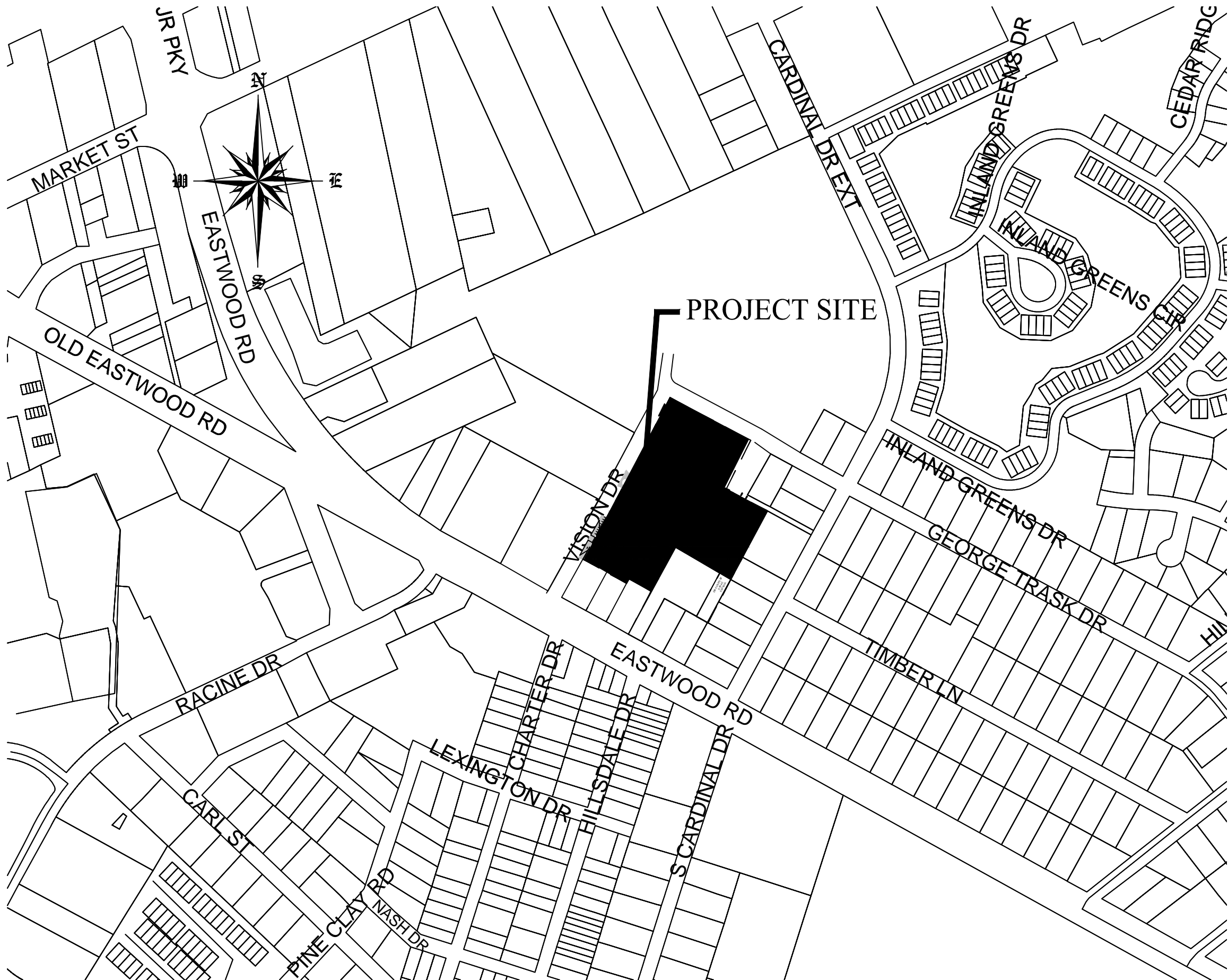
Planning _____

Traffic _____

Fire _____

CFPUA _____

CONSTRUCTION PLANS FOR AA STORAGE EXPANSION 120 VISION DRIVE



VICINITY MAP
APRIL, 2013

- NOTES**
1. AN ALL WEATHER DRIVING SURFACE FOR EMERGENCY VEHICLES MUST BE MAINTAINED DURING CONSTRUCTION.
 2. THERE SHALL BE NO ENCUMBRANCES WITHIN THE NCDOT RIGHT OF WAY.
 3. ALL MATERIALS UTILIZED IN THE CONSTRUCTION OF THE UTILITIES WITHIN THE PUBLIC RIGHT OF WAY SHALL BE NCDOT APPROVED MATERIALS.
 4. CONTRACTOR IS TO PROVIDE ALL NECESSARY TRAFFIC AND SAFETY CONTROL DEVICES IN WORK AREAS.
 5. FIELD VERIFY EXISTING UTILITIES FOR CONFLICTS PRIOR TO CONSTRUCTION, NOTIFY ENGINEER AT 910-619-9990 BEFORE PROCEEDING WITH CONSTRUCTION.
 6. CONTRACTOR IS TO NOTIFY (AT A MINIMUM) THE FOLLOWING COMPANIES FOR LOCATION SERVICES:
ULOCO1-800-632-4949, 48 HOURS IN ADVANCE
BELL SOUTH.....1-800-392-8712 (STEVE DAYVAULT)
 7. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING (IF REQUIRED) WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION.
 8. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAY ARE TO BE THERMO PLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 9. It shall be the responsibility of the subdivider to erect official street name signs at all intersections associated with the subdivision in accordance with the Technical Standards and Specifications Manual. The subdivider may acquire and erect official street name signs or may choose to contract with the city to install the street signs and the subdivider shall pay the cost of such installation. Contact Traffic Engineering at 341-7888 to discuss installation of traffic and street name signs. Proposed street names must be approved prior to installation of street name signs.
 10. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS AND BE MAINTAINED BY THE OWNER.
 11. TRAFFIC ENGINEERING TO BE NOTIFIED AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
 12. Any broken or missing sidewalk panels, driveway panels or curbing will be replaced by the applicant.
 13. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
 14. PROJECT SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METRES CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
 15. IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION HE SHALL APPLY MIN ADVANCE FOR THIS SERVICE AND MUST SUPPLY A RPZ BACKFLOW PREVENTION DEVICE ON THE DEVELOPERS SIDE OF THE WATER METER BOX.
 16. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA SHALL COMPLY WITH THE CFPUA CROSS CONNECTION REGULATIONS
 17. All traffic control signs and markings off the right-of-way are to be maintained by the property owner in accordance with MUTCD standards.
 18. All parking stall markings and lane arrows within the parking areas shall be white.
 19. A utility cut permit is required for each open cut of a City street. Note this on the plan and contact 341-5888 for more details. In certain cases an entire resurfacing of the area being open cut may be required.
 20. Install reflectors per City and NCDOT standards. Traffic Engineering must approve of pavement marking layout prior to actual striping.
 21. A landscaping plan indicating the location of required street trees shall be submitted to the City of Wilmington Traffic Engineering Division and Parks and Recreation Department for review and approval prior to the recording of the final plat. [SD 15-14 CoW Tech Stds]

OWNER/DEVELOPER
THE ROSEMYR CORPORATION
PO BOX 108
231 S. GARNETT STREET
HENDERSON, NC 27536

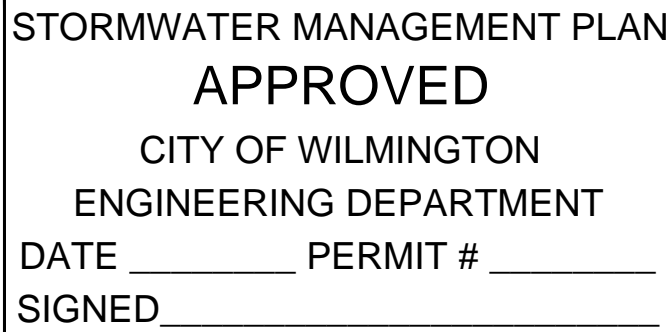
CIVIL ENGINEER
JBS CONSULTING, PA
BRAD SEDGWICK, PE
7332 COTESWORTH DRIVE
WILMINGTON, NC 28405
1-910-619-9990

SURVEYOR
GEOINNOVATION, PC
MR. DEAN EXLINE, PLS
311 JUDGES ROAD
SUITE 3D
WILMINGTON, NC 28405
1-910-367-2110

GENERAL CONTRACTOR
E.G. SMITHSON AND ASSOCIATES, INC.
1661 S. WESLEYAN BLVD.
ROCKY MOUNT, NC 27802
252-977-3055

LIST OF DRAWINGS	
XX	COVER SHEET
C1	EXISTING SITE
C2	SITE PLAN/GRADING/S&E CONTROL
C3	DETAILS

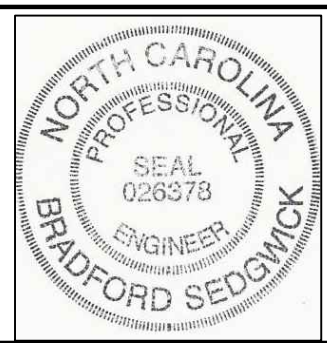


EASTWOOD RD 150' ROW

NO WETLAND WITHIN PROJECT AREA



JBS
CONSULTING, PA
7332 Cotesworth Drive
Wilmington, NC 28045
(910) 619-9990
LICENSE NUMBER C-2525
PLANNING - ENGINEERING - PROJECT MANAGEMENT



EXISTING SITE

AA STORAGE EXPANSION

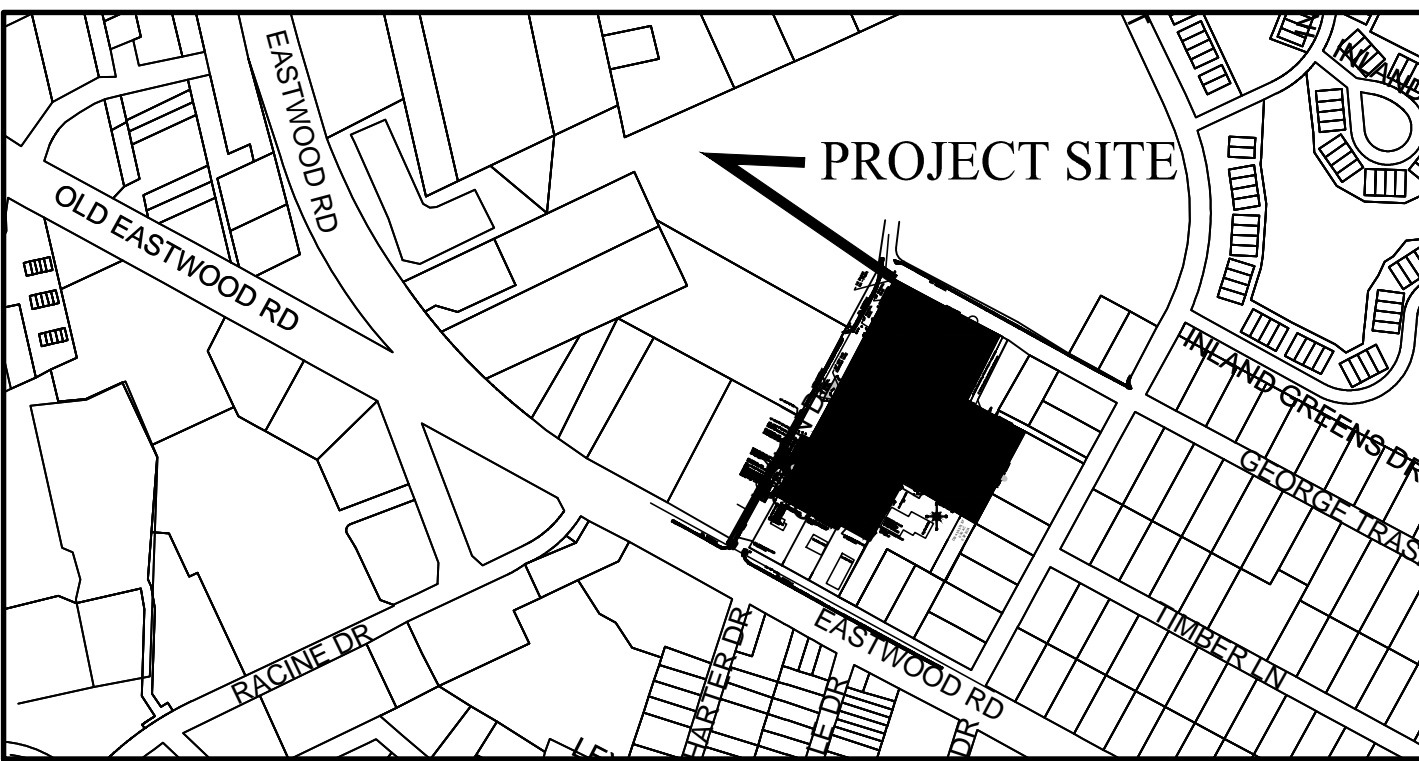
120 VISION DRIVE
WILMINGTON, NORTH CAROLINA

OWNER/DEVELOPER
THE ROSEMYR CORPORATION
231 S. GARNETT STREET
HENDERSON, NC 27536

SHEET



of



VICINITY MAP

NTS

SITE DATA

ADDRESS 120 VISION DRIVE
WILMINGTON, NC 28403

PARCEL ID NUMBERS R05013-002-001-000

DEED BOOK & PAGE D.B. 1983 PG. 0338

MAP BOOK & PAGE..... MB 55 PG. 216

ZONING RB-REGIONAL BUSINESS
CITY OF WILMINGTON

TOTAL LOT AREA	7.28 ACRES	
CAMA LAND USE CLASSIFICATION ..	URBAN	
PROPOSED USE.....	SELF STORAGE/WAREHOUSE	
NUMBER OF BUILDINGS	12 EXISTING	
	1 PROPOSED	
TOTAL	13 BUILDINGS	
BUILDING SQUARE FOOTAGE.....	92,913 SF (EXISTING)	
	13,816 SF (PROPOSED)	
TOTAL	106,729 SF	
BUILDING COVERAGE.....	106,729 SF / (7.28 AC x 43560) =	33.78%
40% MAXIMUM PER ORDINANCE 18-195		
PROPOSED BUILDING HEIGHT.....	13.2' MAXIMUM	

PAVEMENT/BUA CALCULATIONS

EXISTING	ENTIRE SITE	DB#1	DB#2	DB#3
ASPHALT BUILDING	119,110 SF <u>92,913 SF</u>	65,379 <u>63,408</u>	48,642 <u>28,031</u>	5,089 <u>1,474</u>
TOTAL EXISTING	212,023 SF	128,787	76,673	6,563

PROPOSED	ENTIRE SITE	DB#1	DB#2	DB#3
ASPHALT BUILDING	97,967 SF <u>106,729 SF</u>	44,236 <u>77,224</u>	48,642 <u>28,031</u>	5,089 <u>1,474</u>
TOTAL PROPOSED	204,696 SF	121,460	76,673	6,563

	<u>REQUIRED</u>	<u>PROPOSED</u>
MIN. LOT AREA	1 ACRE	7.28 ACRES
MIN. LOT WIDTH	100'	734'
MAX. LOT COVERAGE	40%	7.9%
FRONT BUILDING SETBACK	25'	25'
REAR BUILDING SETBACK	15'	15.2'
SIDE BUILDING SETBACK	0'	
RIGHT SIDE		15.0'
LEFT SIDE		N/A
MAX. BUILDING HEIGHT	35'	13.2'

PARKING REQUIREMENTS

PER 18-528E PARKING REQUIRED IS 1:15 PER EMPLOYEES PER SHIFT. MAXIMUM ON THIS SITE INCLUDES TWO FULL TIME EMPLOYEES. THEREFORE
30 SPACES REQUIRED. PARKING REQUIREMENT IS MET WITH 6 PARKING SPACES AT OFFICE LOCATED AT 411 EASTWOOD AND AN ADDITIONAL 14 SPACES PROVIDED AT 120 VISION DRIVE.

BICYCLE PARKING

THE SITE LENDS IT SELF TO MULTIPLE AND NUMEROUS CHOICES FOR BICYCLE PARKING AREAS.

UTILITY INFORMATION - NO WATER OR SEWER TO BE PROVIDED TO PROPOSED FACILITY

STREET YARD - PER SECTION 18-510 1/2 REQUIREMENT FOR NEW CONSTRUCTION. NEW CONSTRUCTION IS 25 MULTIPLIER.

$$735' \text{ (FRONTAGE)} - 3 \text{ DRIVEWAYS (26' EACH)} = 656'$$

$$\text{RB} * 25 = 16,400 \text{ SF} * 50\% = 8,200' \text{ (MINIMUM REQUIRED)}$$

PROPOSED STREETSCAPE = 11,581 SF (PROVIDED)

SEE SHEET C3 FOR STREETYARD LANDSCAPE PLAN

INTERIOR LANDSCAPING

PER 18-510 4% REQUIRED

$$199,648 \text{ SF} \times 4\% = 7986$$

INTERIOR LANDSCAPING PROVIDED = 11,304 SF (PROVIDED)

BUFFER YARD - BUFFER YARD ACCOMPLISHED WITH 6' SOLID

THIS SITE AND RESIDENTIAL LOTS ON EAST SIDE OF FACILITY

PARKING/STORAGE AREA REMOVED = 13,884 SF
BUILDING PROPOSED = 13,816 SF
(LESS INTENSIVE USE) THIS PROJECT IS A NON EXPANSION OF A NON CONFORMING
USE WITH IN THE REGIONAL BUSINESS ZONING DISTRICT.



28/2013 3:41:40 PM, 1:1

1. THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000.
2. THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000 ONLY.
3. THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCG010000.
4. THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.



BEFORE YOU DIG
STOP
 CALL 1 800 632-4949
 N.C. ONE-CALL CENTER
IT'S THE LAW

NO WETLAND WITHIN PROJECT AREA

SHEET

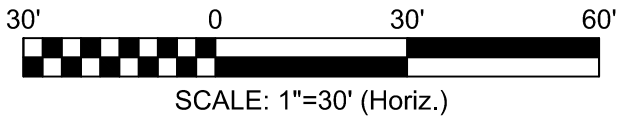
C2

of 3

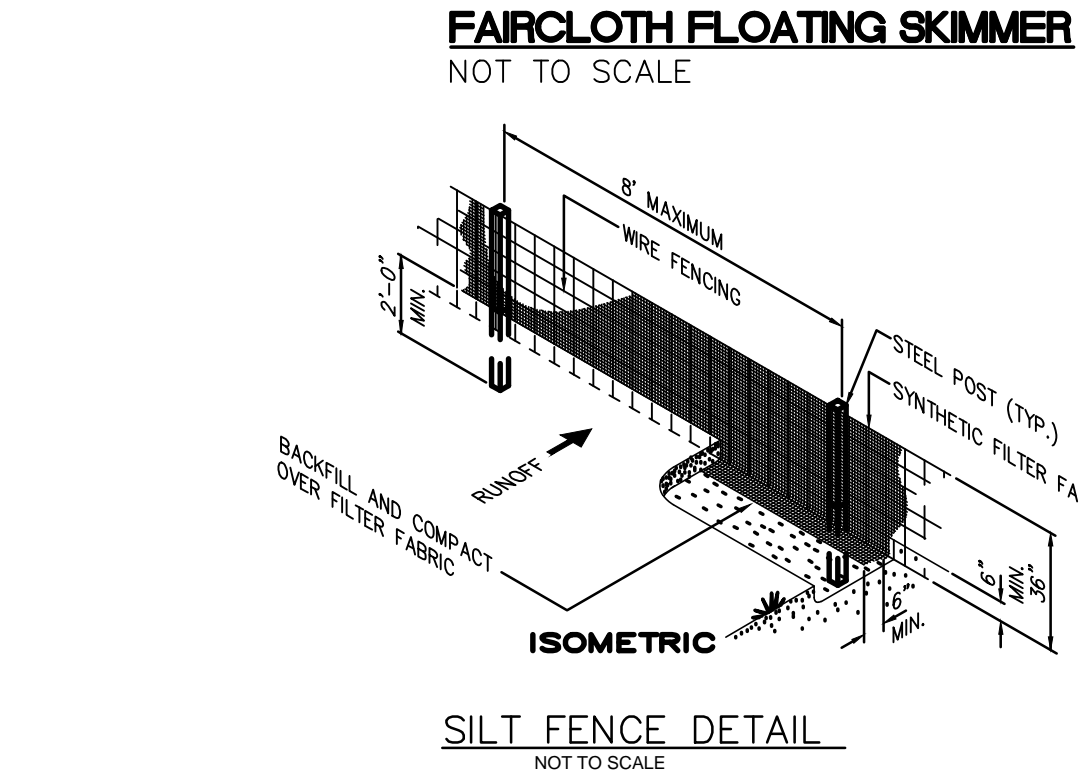
JOB NO. 046-002

REVISION	DATE	DESCRIPTION
R5	5/28/13	TRC COMMENTS ADDRESSED
R4	5/22/13	RELEASED FOR COW STORMWATER REVIEW
R3	5/17/13	RELEASED FOR SAE PERMITTING
R2	5/2/13	BLDG SIZE CHANGED
R1	5/1/13	RELEASED FOR COW TRC REVIEW
NUMBER	DATE	REVISION

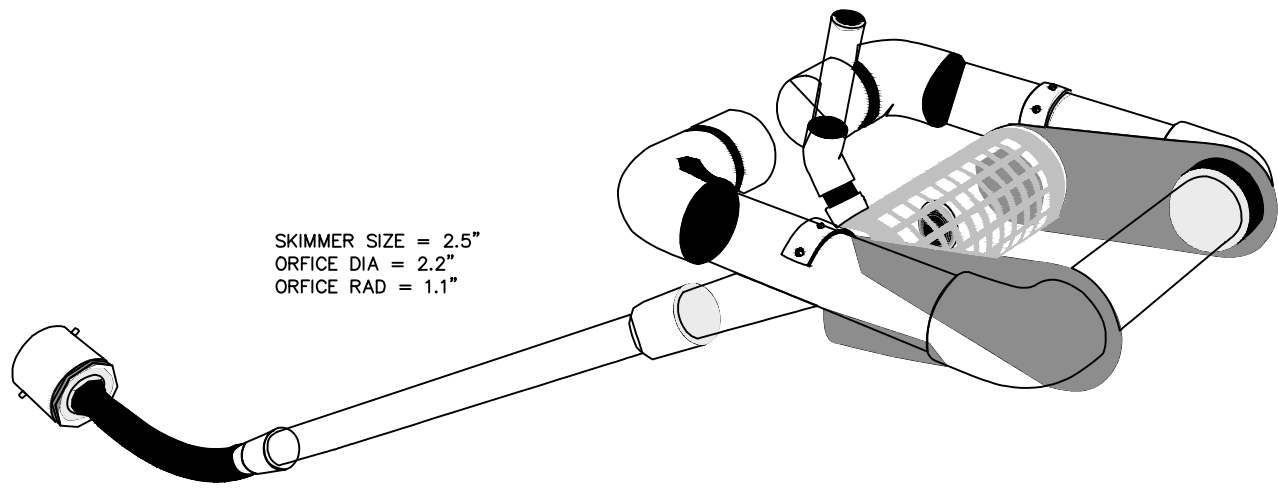
Approved Construction Plan		
Name	Date	
Planning		
Traffic		
Fire		
CFPUA		



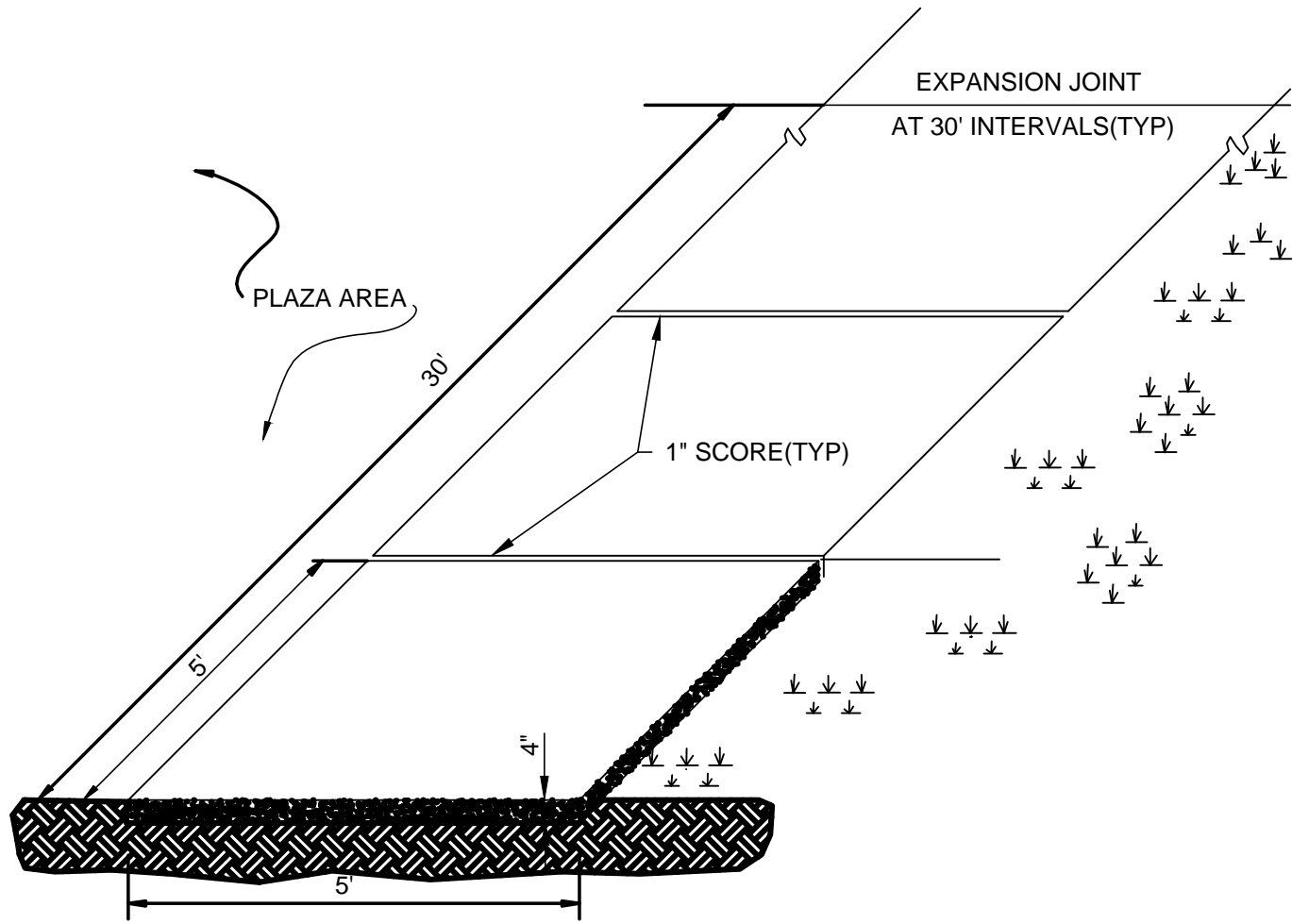
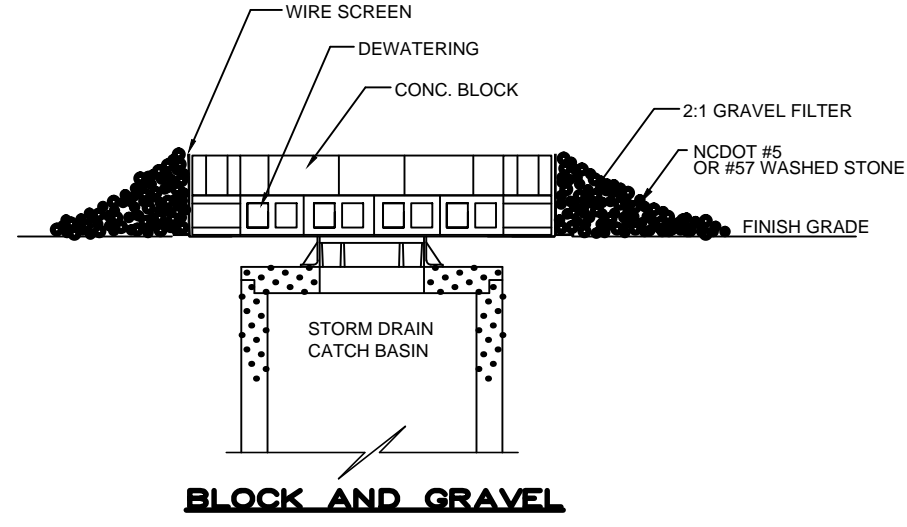
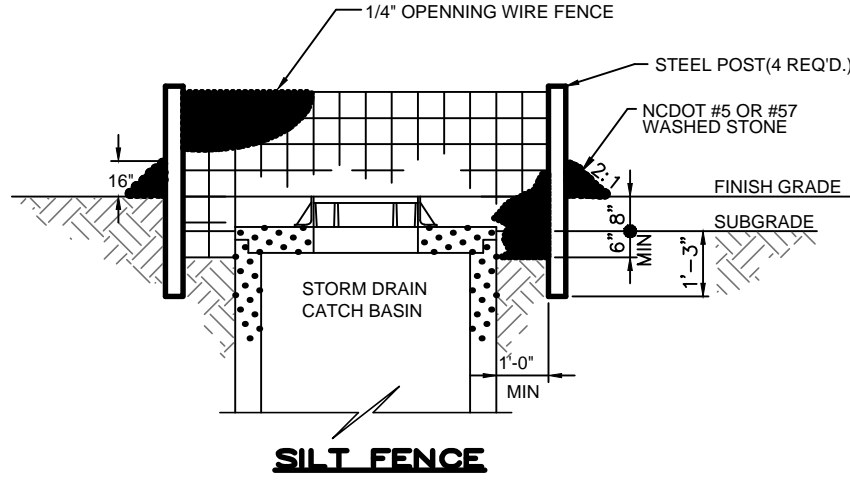
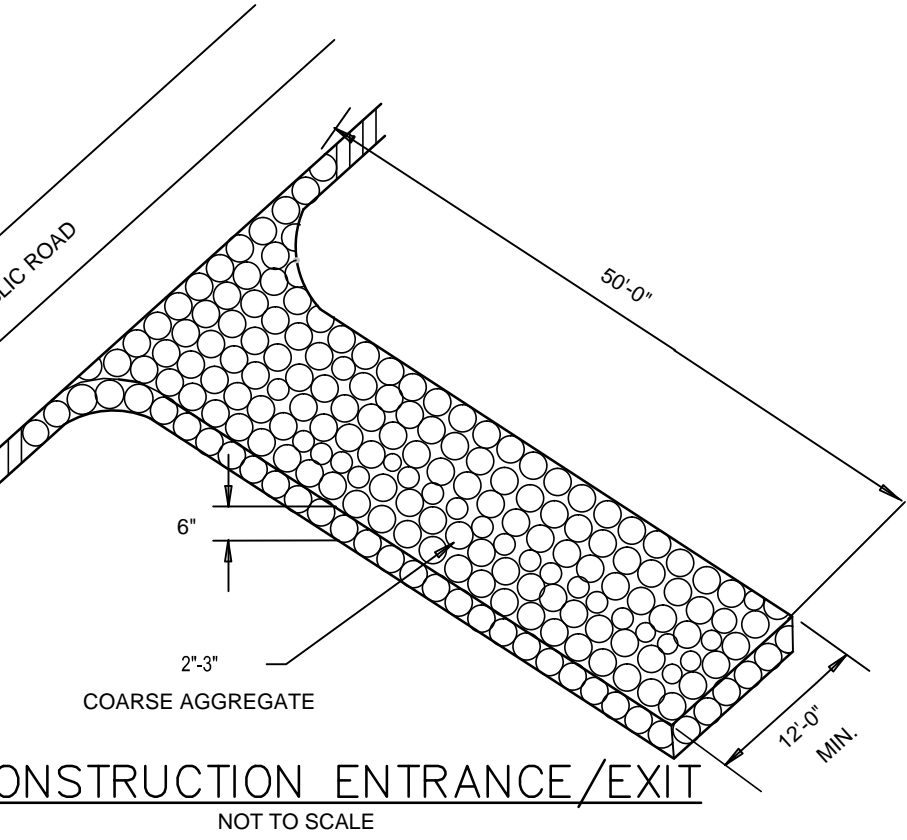
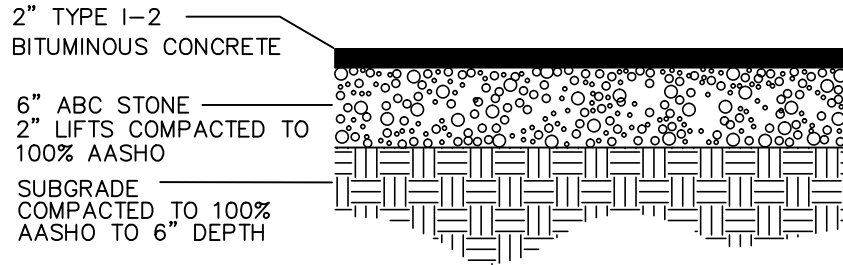
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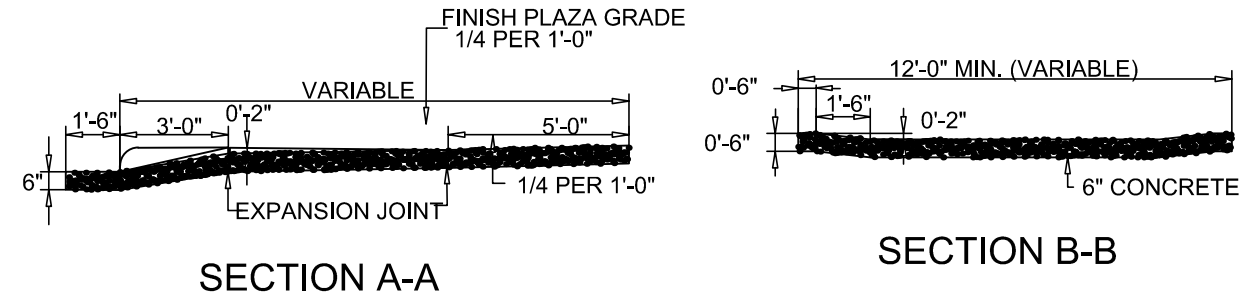
FAIRCLOTH FLOATING SKIMMER
NOT TO SCALE



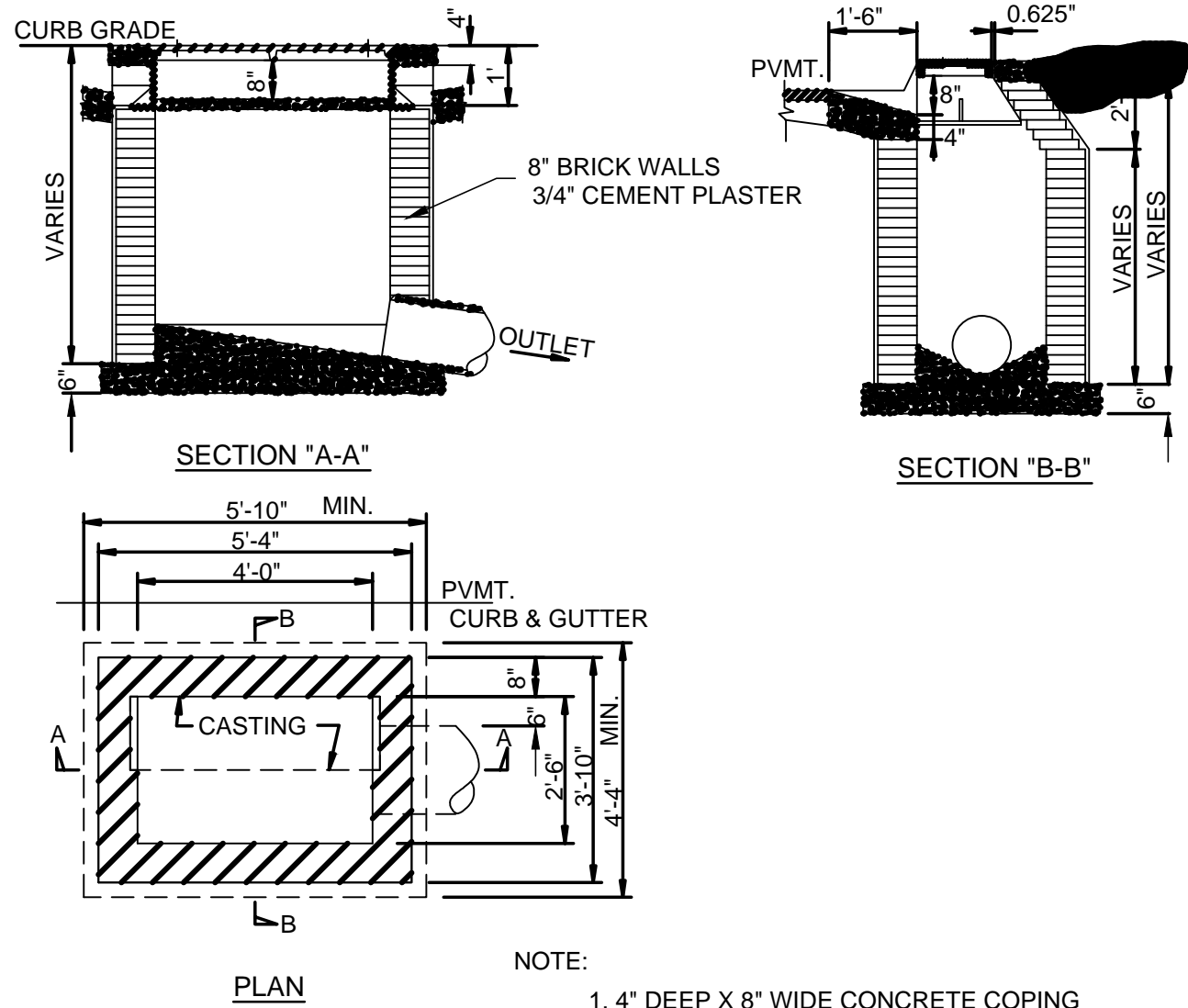
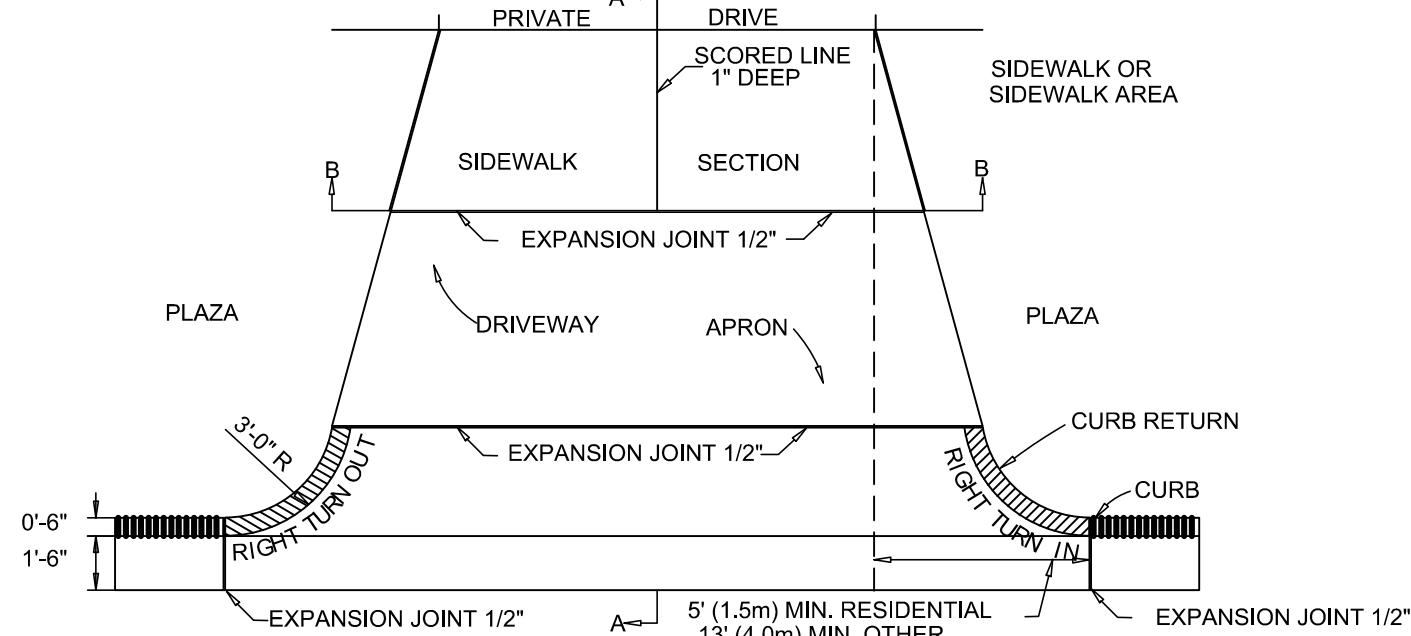
ASPHALT PAVEMENT SECTION
NOT TO SCALE



STANDARD DRIVEWAY DETAIL
SD 8-02
NOT TO SCALE

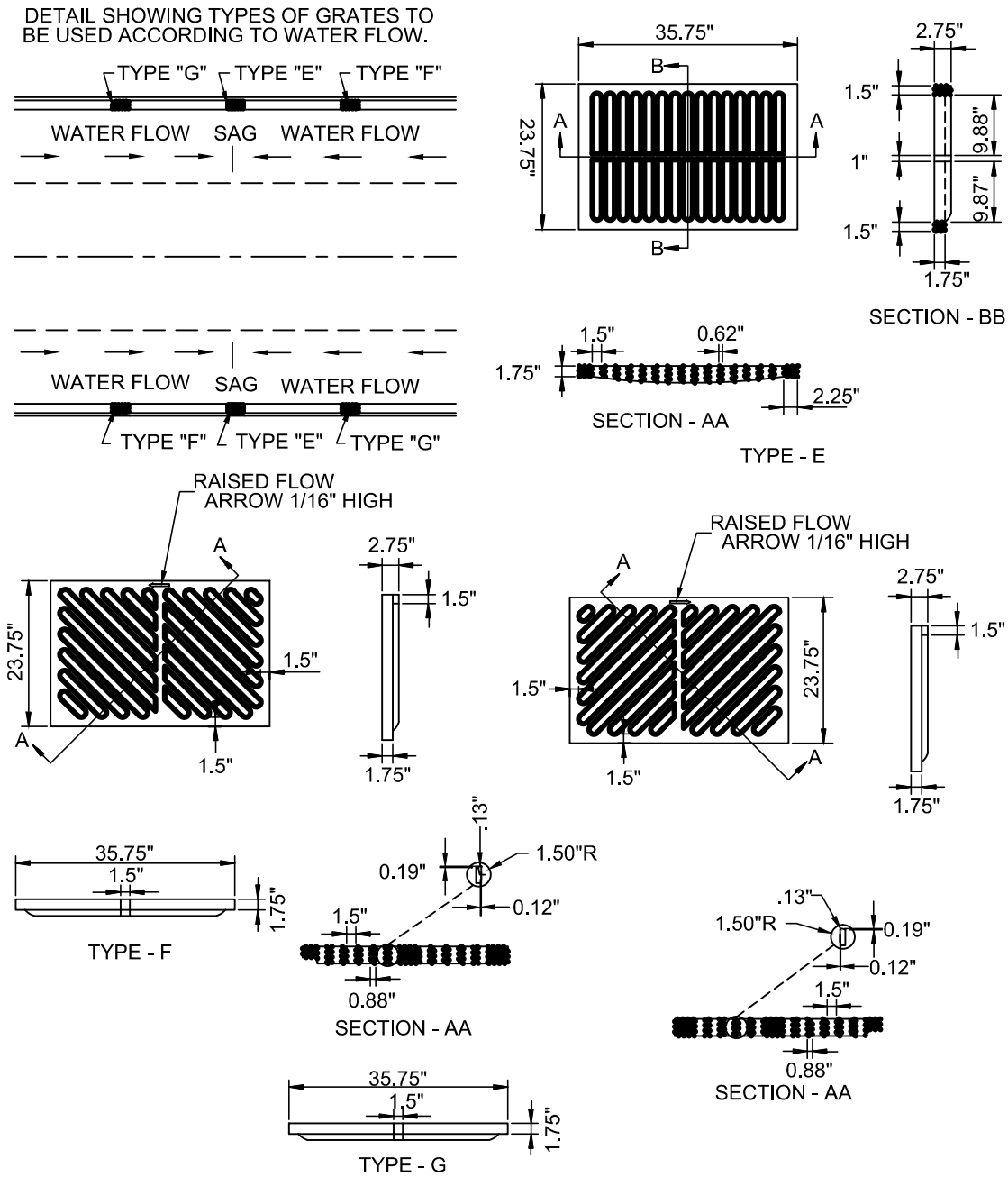


PAVEMENT PLAN

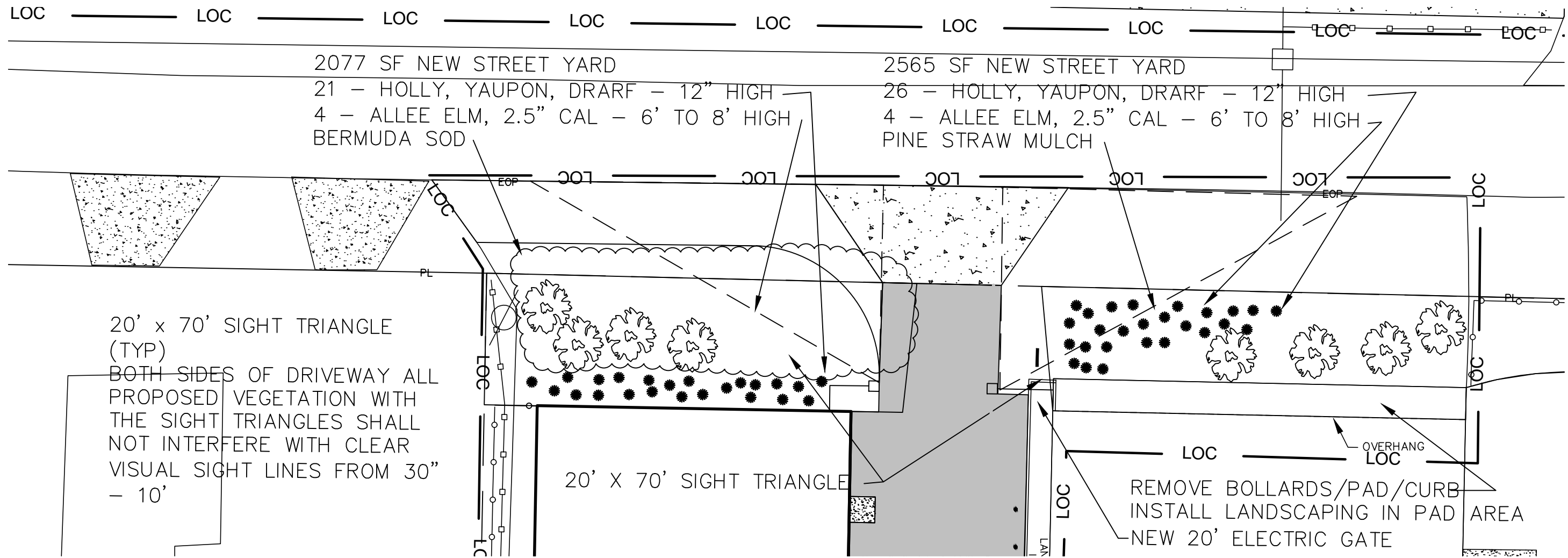


- NOTE:
1. 4" DEEP X 8" WIDE CONCRETE COPING ALL AROUND BASIN CASTING.
 2. ALL CONCRETE TO BE CLASS "A"
 3. FOR CASTING DETAIL SEE SD 2-16

CATCH BASIN
SD 2-01
NOT TO SCALE



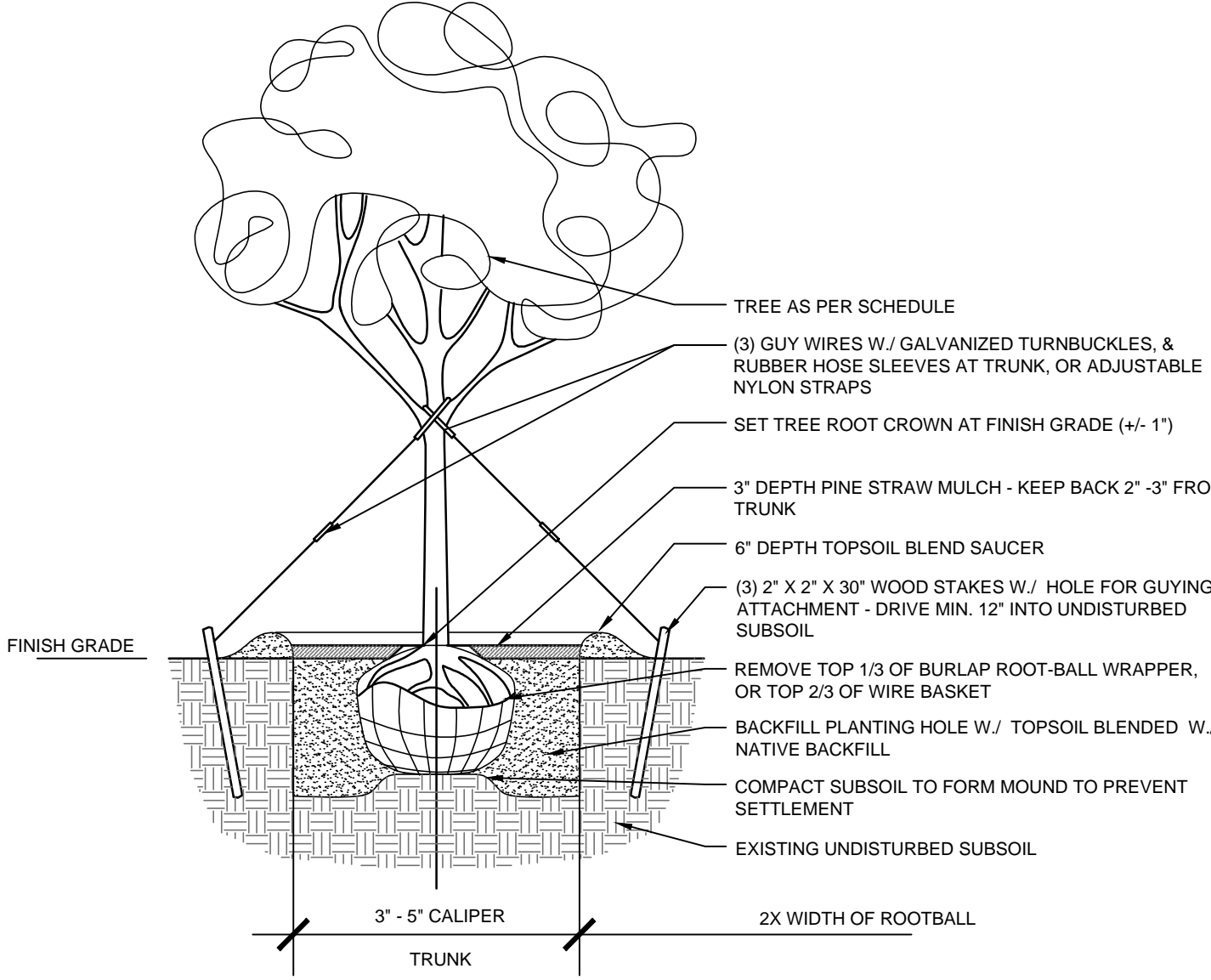
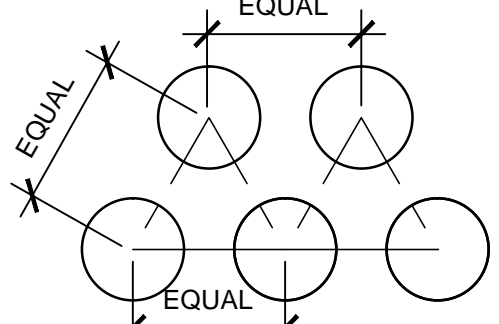
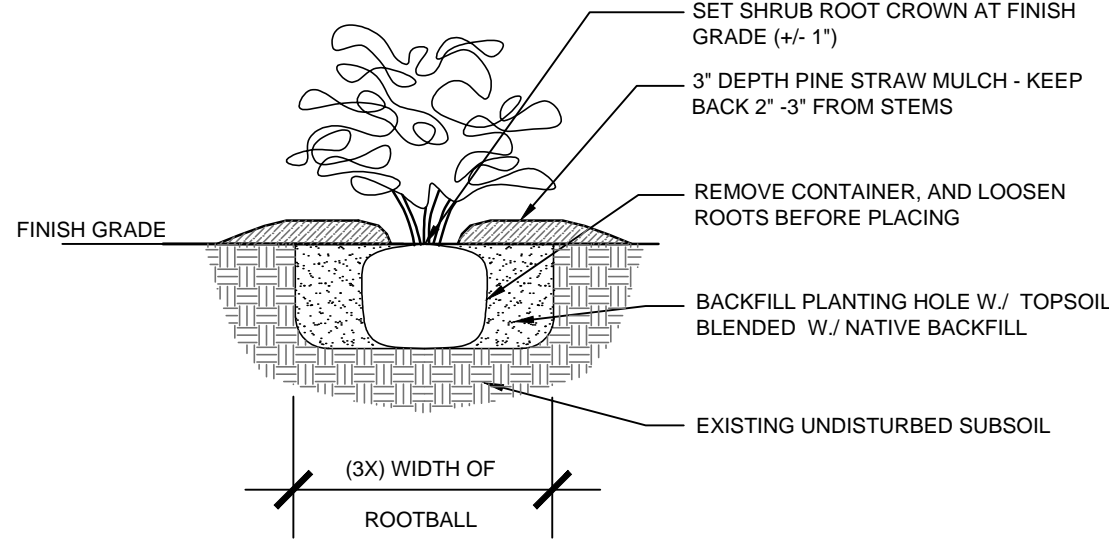
CATCH BASIN GRATE FOR PRE-CAST
SD 2-20
NOT TO SCALE



LANDSCAPE PLAN
SCALE 1" = 20'

PLANT SCHEDULE

COMMON NAME	SIZE	QUANTITY
ALLEE ELM	2.5" CAL.	8
HOLLY, YAUPON, DRAWF	3 GAL	47



DESIGN BY:	BDS
DRAWN BY:	BDS
CHECKED BY:	BDS
DATE	APRIL, 2013

JBS CONSULTING, PA
 7332 Catesworth Drive
 Wilmington, NC 28045
 (910) 618-9990
 LICENSE NUMBER C-2525
 PLANNING - ENGINEERING - PROJECT MANAGEMENT



DETAILS

AA STORAGE EXPANSION

120 VISION DRIVE
 WILMINGTON, NORTH CAROLINA

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SHEET	C3
JOB NO.	046-002